INDEX TO VOL. XV.

A

Abèl, Clarke, account of an Ourang Outang by, 161
Air, blast of, between contiguous surfaces, 362
Ammonia in argillaceous minerals, 182
Amphibious animals, alive in rock strata, 247
Analysis of potteries, 183 do. of Tourmalines, 389
Antimony, the separation of, from lead and brass, 188
Argillaceous minerals containing ammonia, 182
Assafœtida, containing sulphur, 185 Aurora borealis, 199
Avalanches in the White and Green Mountains, 217

B

Barnes, D. H. obituary of, 401
Beck, Lewis C. synopsis of American ferns and mosses by, 287
Beet, Sugar in, 394 Berthierite, a new mineral, 386
Biography of Alex. Volta, 67
Bird, Rev. J. on the minerals, &c. of Palestine, 374
Bladders, evaporation by, 392 Bleaching, remarks upon, 64
Botany of Brazil, 390 Bowen, G. T. obituary of, 403
Brazil, botany of, 390 Brooke, H. J. Esq. his Polariscope, 369

C

Calcareous Tufa, localities of, 247
Carbonate of Iron, localities of, 244
Carbonic Acid gas in springs, 237
Carburetted Hydrogen gas, do. 236
Carpenter, G. W. on mu. soda and salt springs, 1
——— —— chemical warehouse of, 200
Chemical instruments of Prof. Hare, 260
——— action, force of, 392 Chloride of Lime, 391
Cleaveland's Mineralogy, 3d edition, 401
Cobalt, spontaneous combustion of, 188
Combustion, heat of, 392
Commun, J. du, on volcanos and earthquakes, 12
Conic Sections, an instrument to draw the curves of, 368
Cooper, T. Dr., analysis of Cordier's essay by, 109
Cordier's essay, analysis of, 109
Convolvulus battatas, sugar in, 285 Cruor, iron in, 169
Crystal bed, 186

D.

Davy, John, on the temperature of man, 164
Dictionary, Webster's, 399
Doornik, J. E. on organic remains, 90 Double Stars, 77
Duncan, Henry, on the tracks of animals in sandstone, 84

E

Earth, figure of, 172 Earthquakes, on the Mississippi, 366

Earthquakes and Volcanos, hypothesis concerning, 12
Eaton, Prof. on native gases, acids and salts, 233
Eaton, T. D. obituary of, 404
Education, liberal, reports upon, 297
Electricity, effect of on odors, 394
Errors in Dr. Robinson's catalogue, 197
Eudiometer, an improved one, 235
Eudiometry, use of nitric oxide gas in, 260
Evaporation of water on hot surfaces, 180
——— by bladders, 392
Europeans, former inhabitants of West Greenland, 166

F

Falling Stars, 168
Ferns and mosses, synopsis of, 287
Fluxions, note to Wright's theory of, 196
Forgery, prevention of, 398
France, population of, 397
Fruit, preservation of, 381

G

Geography, instruction in, 170
Geology of N. Scotia, 132, 201
Glaucolite, a new mineral, 387
Goethe, notice of, 171
Granite and marble, durability of, 168
Greenland, West, former inhabitants of, 166

H

Hail, cause of, in warm weather, 361
Halos, notice of, 364
Hare, Prof. new chemical instruments by, 260
——— on the Sugar in Sweet Potato, 285
Heavens, blue color of, 360
Helvetic Society of Natural Sciences, 176
Horticultural Society of Paris, 378 Hydrate of silex, 390
Hydrosilicite, a new mineral, 388

I

Ice water, on the drinking of, 194 Incompatible salts, 185
Iodine, used as a dye, 394 Ioduret of lead, 188
Iron, in cruor, 169 Isopyre, a new mineral, 388

J

Jackson, C. T. and F. Alger, on the geology of N. Scotia, 132, 201

K

Knox, Geo. Hon. obituary of, 189

L

Lake of the Woods, northwestern point of, 41
Leather sheathing for ships, 365
Liberal Education, reports upon, 297

Life, probability of, 187
Light, on the measure of its intensity, 184
—— Zodiacal, 62 Lime, chloride of, 391
Living animals in rock strata, 247
Lyceum of Natural History of N. York, proceedings of, 191, 357

M

Maclure, Mr., notice respecting, 400
——— remarks by, 384
Magnetism, notice concerning, 182
Man, temperature of, 164
Marble and granite, durability of, 168
Marine plants used in making paper, 169 Marseilles, 171
Mastodon, casts of the bones of, 400
Matter, vitality of, 54 Medical convention, 200
Mercury, per-ioduret of, 394 Micrometers, 183
Mineralogy of Nova Scotia, 132, 201
Mitchill, Dr. on Sea-Serpentism, 351
Molluscous animals, alive in alluvial deposits, 249
Moon, action of on the atmosphere, 174
Mountains, White and Green, slides upon, 217
Muriate of lime, a native salt, 242
Muriate of soda, localities of, 244
Murchisonite, a new mineral, 380

N

Necrology, 177 Nitrogen gas, found in springs, 234
Nova Scotia, mineralogy and geology of, 132, 201

O

Obituary of Rev. D. H. Barnes, 401
——— Prof. E. T. Bowen, 403
——— Mr. T. D. Eaton, 404
Odors, affected by electricity, 394
Orang Outang, description of one, 161
Organic Remains, importance of in geology, 90
Osmelite, a new mineral, 388
Oxahevrite, a new mineral, 387

P

Packfong, notice of, 396 Palestine, minerals of, 374
Paper, manufacture of, 169
—— to remove rust from iron and steel, 169
Peat, the drying and use of, 250 Phillips, Mr. Obituary of, 160
Phosphorescent plants, 170 Plants, the poisoning of, 169
Polariscope, description of, 369 Portable gas, 189
Post office, American, 373 Potteries, analysis of, 153

Q

Quartz, containing coal and liquids, 363

R

Raining trees, notice of, 170 Rain-water, contents of, 181

Rain-water, impurity of, 185
Ribancourt's memoir on peat, 250
Rocks, descriptive arrangement of, 28
Russia, population and religion of, 397 Rome, 401

S

Sandstone, tracks of animals upon, 84 Salt springs, 1, 6
Saccharum in sweet potato, 285
Schools in the state of New York, 401
Scrope, G. P. Esq. descriptive arrangement of rocks by, 28
Sideroscope, notice of. 177 Silex, hydrate of, 390
Slides of the White and Green Mountains, 217
Smith, S. notice of salt springs of N. York by, 6
Society of encouragement of Paris, premiums of, 173
Stars, double, 76 do. twinkling of, 360 do. falling ones, 168
Steam engines, 185 Steel, blistered, 372
Sternbergite, a new mineral, 386 Sugar in Beet, 394
Sulphate of alumine, localities of 243
———— iron, do. 243
———— magnesia, do. 241
Sulphur, properties of, 189
Sulphuretted hydrogen in springs, 275
Sulphuric acid, native, 233
Synoptical table of American ferns and mosses, 287

T

Tiarks, J. L. on the northern boundary of the Lake of the Woods, 41
Tin, purity of, 178 Tracks of animals in sandstone, 84
Trail, Dr. on the preservation of animals, 167
Tourmalines, analysis of, 389

U

Ultra-marine, notice of, 392

V

Virginia aerolite, 195 Vitality of matter, 54
Volcanos and earthquakes, hypothesis of, 12
Volta, Alexander, biography of, 67
Volumescope, a new chemical instrument, 275

W

Water, compressibility of, 180 Water, evaporation of, 186
—— in wells, temperature of, 190
Webster's Dictionary, notice of, 399
Wilcox, letters of, on the White Mountains, 217
Woodbridge, Wm. C. on Italian engravings, 401

Y

Yale College, Report of the faculty on a course of liberal education, 297

Z

Zodiacal light, 62, 364
Zoology, preservation of specimens in, 167